# INDIANA SOIL EVALUATION SCORECARD (Agriculture and Environment)

#### I. SOIL PROPERTIES Parent material (5 points) 1. Α Weathered bedrock E Loess B Till AB Alluvium AC Local overwash С Outwash/lacust. Deposit D Eolian sand 2. Slope (5 points) 19-25% **A** 0-2% Ε 3-6% **AB** 26-35% B **C** 7-12% AC >35% **D** 13-18% 3. Landform (5 points) Α Upland hillslope AB Outwash landfm., hillslope Upland swell B AC Outwash landfm., swell С Upland depr./flat AD Outwash landfm., dep./flat D Dune AE Flood plain Filled depression Е Color, surface (5 points) 4. Dark Α B Grey Brownish C 5. Erosion (5 points) Α None to slight Moderate B C Severe 6. Texture, surface (5 points) Sandy (S, LS) Α B Moderately sandy (SL) С Medium (L, SiL, Si) D Moderately clayey (SCL, CL, SiCL) Е Clayey (SC, C, SiC) S = Sand(y), Si = Silt(y), C = Clay, L = Loam(y)7. Texture, subsoil (5 points) Α Sandy (S, LS) **B** Moderately sandy (SL) C Medium (L, SiL, Si) Moderately clayey (SCL, CL, SiCL) D E Clayey (SC, C, SiC) 8. Natural soil drainage (5 points) Poorly Α B Somewhat poorly С Moderately well Well D 9. Limiting layer (5 points) Bedrock, 0-20 in. Α B Bedrock, 21-40 in. С Dense till, 0-20 in. **D** Dense till, 21-40 in. **E** Fragipan, 0-20 in. AB Fragipan, 21-40 in. AC Coarse sand & gravel, 0-20 in. AD Coarse sand & gravel, 21-40 in. **AE** None within 40 in.

## Current land use (0 points)

Naturally vegetated land

Agricultural or developed land

Contestant No	
Site No	
Soil series	

## II. CAPABILITY, POTENTIAL, AND PRACTICES

- (3 points each)
- YES NO A. Prime farmland
- 51. A B
- B. High potential for degradation
- 52. **A B** Soil erosion by water
- 53. **A B** Soil erosion by wind
- 54. A B Soil compaction
- 55. **A B** Groundwater pollution
- 56. **A B** Surface water pollution
- C. Vegetation and buffer practices
- 57. **A B** Natural vegetation
- 58. **A B** Grassed waterways
- 59. **A B** Windbreaks
- 60. **A B** Possible filter strips
- D. Tillage and cropping practices
- 61. **A B** Permanent pasture
- 62. **A B** Crop rotation
- 63. **A B** No-till with cover crop
- 64. **A B** No-till
- 65. **A B** Clean tillage

#### E. Water management practices

- 66. **A B** Preserve as wetland
- 67. A B Artificial drainage
- 68. A B Irrigation
- 69. **A B** Parallel terraces
- F. Chemical and fertility practices
- 70. Nitrogen appl.: A, Low B, Medium
- 71. Phosphorus: **A**, *A*, 72. Potassium: **A**, 73.
- **A**, Apply**B**, Do not apply**A**, Apply**B**, Do not apply
  - t apply **C**, Deplete
- 73. Lime: **A**, Apply **B**, Do not apply
  - pply

C, High

C, Deplete

Score		
Part I, 1-9	(45 pts. possible)	
Part II, 51-73	(69 pts. possible)	
Total	(114 pts. possible)	